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1635
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Mar Tormo *et al.*

Serial No.: 09/381,747

Filed: September 22, 1999

For: INHIBITION OF BCL-2 PROTEIN
EXPRESSION BY LIPOSOMAL
ANTISENSE
OLIGODEOXYNUCLEOTIDES

Group Art Unit: 1635

Examiner: Karen LaCourciere

Atty. Dkt. No.: UTSC:550

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August 11, 2004

Date

David L. Parker

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

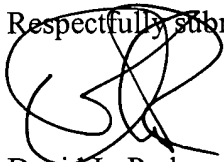
In accordance with 37 C.F.R. §§ 1.97(g), (h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be

construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed herewith. If an appropriate check has not been enclosed, or if it is insufficient, the Commissioner is authorized to deduct the appropriate fee from Fulbright & Jaworski Account No.: 50-1212/UTSC:550.

Applicants respectfully request that the listed documents be made of record in the present case.

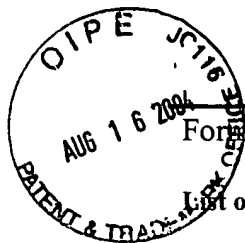
Respectfully submitted,



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Date: August 11, 2004



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List of Patents and Publications for Applicant's

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A72	5,641,662	6/24/97	Debs and Zhu	435	172.1	3/10/93
	A73	5,837,838	11/17/98	Reed and Xu	536	23.1	3/14/97
	A74	5,981,501	11/09/99	Wheeler <i>et al.</i>	536	44	6/07/95
	A75	5,989,912	11/23/99	Arrow <i>et al.</i>	435	375	12/15/98
	A76	6,030,954	2/29/00	Wu and Wu	514	44	6/02/95

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B23	WO 97/07784	3/06/97	PCT			English
	B24	WO 98/14172	4/09/98	PCT			English
	B25	WO 98/56905	12/17/98	PCT			English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C141	Agrawal <i>et al.</i> , "Antisense therapeutics: is it as simple as complementary base recognition," <i>Molecular Medicine Today</i> , 6:72-81, 2000.
	C142	Aisenberg, "Coherent view of non-Hodgkin's lymphoma," <i>J. Clin. Oncol.</i> , 13(10):2656-2675, 1995.
	C143	Baichwal and Sugden, "Vectors for gene transfer derived from animal DNA viruses: Transient and stable expression of transferred genes," <i>In</i> : Kucherlapati R, (ed.) <i>Gene transfer</i> . New York: Plenum Press, pp. 117-148, 1986.
	C144	Bangham <i>et al.</i> , "Diffusion of univalent ions across the lamellae of swollen phospholipids," <i>J. Mol. Biol.</i> , 13:238-252, 1965.
	C145	Benvenisty and Reshif, "Direction introduction of genes into rats and expression of the genes," <i>Proc. Nat'l Acad. Sci. USA</i> , 83:9551-9555, 1986.

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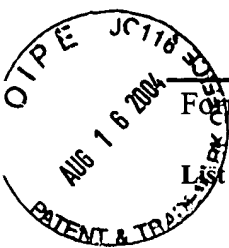
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	C146	Chang <i>et al.</i> , "Foreign gene delivery and expression in hepatocytes using a hepatitis B virus vector," ABSTRACT, <i>Hepatology</i> , 14(4):124A, 1991.
	C147	Chen and Okayama, "High-efficiency transfection of mammalian cells by plasmid DNA," <i>Mol. Cell Biol.</i> , 7(8):2745-2752, 1987.
	C148	Chirila <i>et al.</i> , "The use of synthetic polymers for delivery of therapeutic antisense oligodeoxynucleotides," <i>Biomaterials</i> , 23:321-342, 2002.
	C149	Coffin, "Retroviridae: the viruses and their replication," In: <i>Virology</i> , Fields <i>et al.</i> (eds.), New York: Raven Press, pp. 1767-1847, 1996.
	C150	Cotter <i>et al.</i> , "Human Bcl-2 antisense therapy for lymphomas," <i>Biochimica et Biophysica Acta</i> , 1489:97-106, 1999.
	C151	Coupar <i>et al.</i> , "A general method for the construction of recombinant vaccinia virus expressing multiple foreign genes," <i>Gene</i> , 68:1-10, 1988.
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	C158	Ghosh and Bachhawat, "Targeting of liposomes to hepatocytes," In: Wu G. Wu C ed., <i>Liver diseases, targeted diagnosis and therapy using specific receptors and ligands</i> , New York: Marel Dekker, pp. 87-103, 1991.
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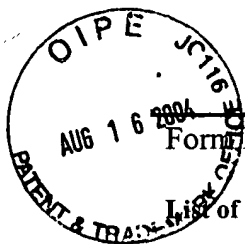
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	C162	Graham <i>et al.</i> , "Characteristics of a human cell line transformed by DNA from human adenovirus type 5," <i>J. Gen. Virol.</i> , 36:59-72, 1977.
	C163	Harland and Weintraub, "Translation of mammalian mRNA injected into <i>Xenopus oocytes</i> is specifically inhibited by antisense RNA," <i>J. Cell Biol.</i> , 101:1094-1099, 1985.
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	C168	Johnson <i>et al.</i> , "Patterns of survival in patients with recurrent follicular lymphoma: a 20-year study from a single center," <i>J. Clin. Oncol.</i> , 13(1):140-147, 1995.
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	C171	Mann <i>et al.</i> , "Construction of a retrovirus packaging mutant and its uses to produce helper-free defective retrovirus," <i>Cell</i> , 33:153-159, 1983.
	C172	McDonnell and Korsmeyer, "Progression from lymphoid hyperplasia to high-grade malignant lymphoma in mice transgenic for the t(14;18)," <i>Nature</i> , 349:254-256, 1991.

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	C176	Nicolas and Rubenstein, "Retroviral vectors," In: <i>Vectors: A survey of molecular cloning vectors and their uses</i> , Rodriguez and Denhardt, (eds.), Stoneham: Butterworth, pp. 494-513, 1988.
	C177	Paskind <i>et al.</i> , "Dependence of moloney murine leukemia virus production on cell growth," <i>Virology</i> , 67:242-248, 1975.
	C178	Palu <i>et al.</i> , "In pursuit of new developments for gene therapy of human diseases," <i>Biotech.</i> , 68:1-13, 1999.
	C179	Pearson <i>et al.</i> , "Identification of an Epstein-Barr virus early gene encoding a second component of the restricted early antigen complex," <i>Virology</i> , 160:151-161, 1987.
	C180	Pihl-Carey, "Disease drug fails in phase III," <i>BioWorld Today</i> , 10:1-2, 1999.
	C181	Potter <i>et al.</i> , "Enhancer-dependent expression of human κ immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:7161-7165, 1984.
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	C183	Rippe <i>et al.</i> , "DNA-mediated gene transfer into adult rat hepatocytes in primary culture," <i>Mol. Cell Biol.</i> , 10(2):689-695, 1990.
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	C186	Temin, "Retrovirus vectors for gene transfer: Efficient integration into and expression of exogenous DNA in vertebrate cell genome," <i>In: Gene Transfer</i> , Kucherlapati (ed.), New York: Plenum Press, pp. 149-188, 1986.
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	C188	Verma <i>et al.</i> , <i>Nature</i> , 389:238-243, 1997.
	C189	Wagner <i>et al.</i> , "Antisense gene inhibition by pligonucleotides containing C5 propyne pyrimidines," <i>Science</i> , 260:1510-1513, 1993.
	C190	Wu and Wu, "Evidence for targeted gene delivery to Hep G2 hepatoma cells in vitro," <i>Biochemistry</i> , 27:887-892, 1988.
	C191	Wu and Wu, "Receptor-mediated <i>in vitro</i> gene transformations by a soluble DNA carrier system," <i>J. Biol. Chem.</i> , 262(10):4429-4432, 1987.
	C192	Yang <i>et al.</i> , "In vivo and <i>in vitro</i> gene transfer to mammalian somatic cells by particle bombardment," <i>Proc. Nat'l Acad. Sci. USA</i> , 87:9568-9572, 1990.
	C193	Zelenin <i>et al.</i> , "High-velocity mechanical DNA transfer of the chloramphenicolacetyl transferase gene into rodent liver, kidney and mammary gland cells in organ explants and in vivo," <i>FEBS Lett.</i> , 280(1):94-96, 1991.
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